SKALA

SKALA PVC-C

Polymer Composite Panel

Extended Service Life
Superior Concrete Finish
Engineered for Reuse

www.skalasolutions.com

CONSTRUCTION

PVC-C is a 3-layer polymer composite panel with solid plastic skins bonded to a foamed recycled-plastic core. Its sandwich build delivers dimensional accuracy and a durable working face for high-cycle concrete formwork.

PERFORMANCE

Engineered for repeated casting cycles, with up to 200 reuses in framed panel systems and up to 50 in traditional formwork, subject to handling. Fire-retardant Grade A, water-resistant with absorption below 0.09%, and termite-proof.

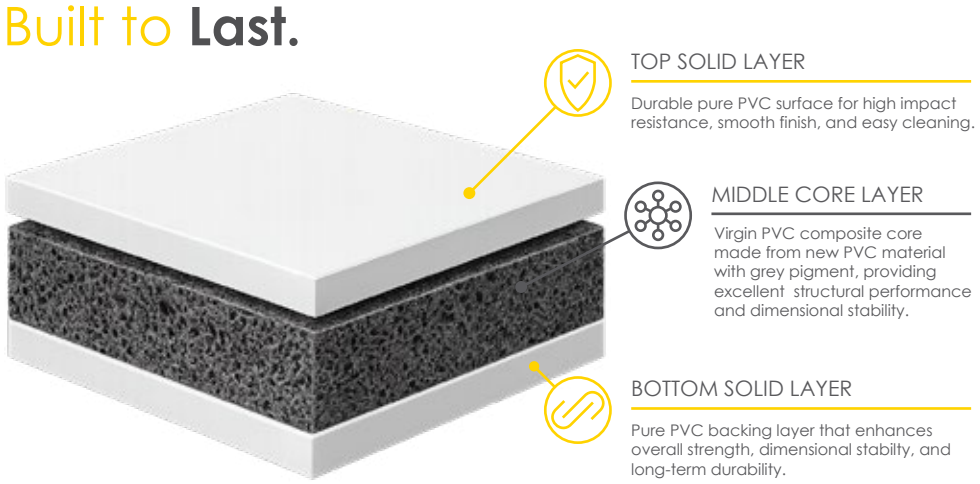
SUSTAINABILITY

Built with up to 50% recycled polymer content. Each PVC-C panel replaces many single-use plywood sheets, reducing site waste, cutting demand for virgin timber and lowering embodied carbon in repetitive concrete works.

SURFACE

The integral plastic skin pours a uniform, mirror-grade concrete finish with minimal post-treatment. Non-absorbent and easy to clean, the face releases cleanly with no release agent required in standard pouring conditions.

Engineerd for **Strength.**
Built to **Last.**





Three-layer PVC board consisting of pure PVC top and bottom layers with a virgin PVC composite middle core.

DATA & SPECIFICATIONS

ADVANTAGES STRENGTH & SAFETY

PVC-C delivers dimensional stability, exceptional reusability and a clean finished face in a single panel. Resistant to water, UV, alkalis and impact, it holds geometry through repeated pours.

Lightweight Design
- Cuts and drills with standard site tools.
- Lighter than plywood — faster panel handling.

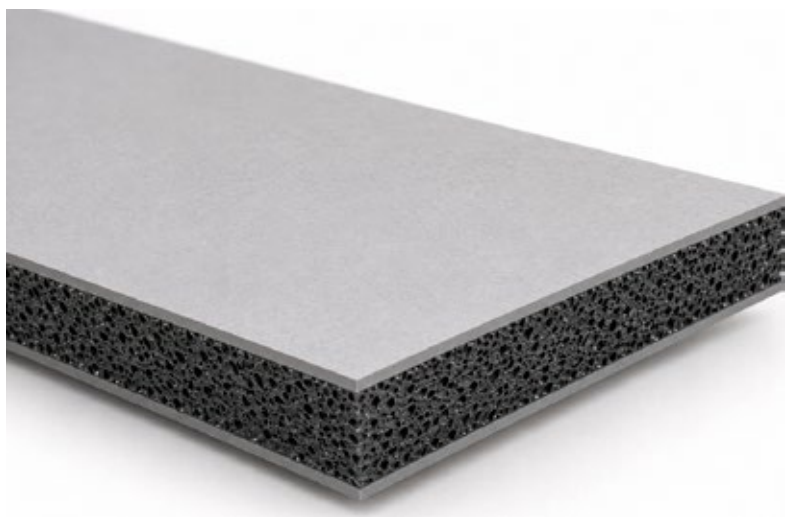
Cost-Effective
- High reuse cycles spread cost across many pours.
- No release agent required in standard conditions.
- Reduces rework, patching and finishing labour.

Versatile Adaptability
- Compatible with framed and traditional systems.
- Ready tie-rod holes, chamfered edges & curved
- Curved options are available upon request.

FACTORY SPECIFICATIONS

Product type	Three-layer PVC composite board
Top layer	Pure PVC dense external skin
Bottom layer	Pure PVC dense backing layer
Middle core	PVC + foaming agent + fiber + pigment
Core color	Grey or red, same performance
Technique	Double press forming / calibration

CUSTOM PVC-C PANEL LENGTHS AND PANEL-SPECIFIC TAGGING ARE AVAILABLE UPON REQUEST



SKALA
SOLUTIONS

SKALA PVC-C

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